

NEW CLAIMS:

What is claimed is:

17. A security control apparatus for controlling a supply of a service to a user in a service area, comprising:

a monitor unit configured to continuously input images of the service area;

a recognition unit configured to recognize the user as an authorized user from the input images, and to recognize at least one person other than the authorized user from the input images; and

a service control unit configured to supply the service to the authorized user when the user is recognized in the input images, and to control the supply of the service to the authorized user when the person other than the authorized user is recognized in the input images.

18. The security control apparatus according to claim 17, wherein said service control unit interrupts the supply of the service when the user is not recognized in the input images.

19. The security control apparatus according to claim 17, wherein said service control unit interrupts the supply of the service when the person other than the authorized user is recognized in the input images.

20. The security control apparatus according to claim 17, wherein said service control unit decides whether work of the user for the service is completed when the user is not recognized in the input images.

21. The security control apparatus according to claim 20, wherein said service control unit finishes the supply of the service if the work of the user for the service is completed, interrupts the supply of the service if the work of the user for the service is not completed, and relieves an interruption of the supply of the service when the user is recognized in the input images again.

22. The security control apparatus according to claim 17, wherein said recognition unit recognizes the user by referring to a person comparison dictionary to recognize persons allowed to use the service.

23. The security control apparatus according to claim 17, wherein said recognition unit generates a person comparison dictionary to recognize an unspecified person allowed to use the service, and recognizes the unspecified person as the user by referring to the person comparison dictionary.

24. The security control apparatus according to claim 17, wherein said service control unit sends a warning to the user when the person other than the authorized user is recognized in the input images.

25. The security control apparatus according to claim 24, wherein said service control unit controls the supply of the service in accordance with an indication of the user being warned.

26. The security control apparatus according to claim 17, wherein said service control unit controls the supply of the service in accordance with a security degree preset to each kind of the service.

27. The security control apparatus according to claim 17, wherein said service control unit detects a movement of the visual line or a direction of the face of the user, and controls the supply of the service in accordance with the movement of the visual line or the direction of the face of the user.

28. The security control apparatus according to claim 17, wherein said service control unit detects a movement of the visual line or a direction of the face of the nonuser, and controls the supply of the service in accordance with the movement of the visual line or the direction of the face of the non-user.

29. A security control apparatus for controlling a supply of a service to a user in a service area, comprising:

a person recognition unit configured to recognize a user requesting the service;

a use situation decision unit configured to decide whether the user is under a situation to use the service in accordance with recognition result of said person recognition unit;

an intrusion situation decision unit configured to decide whether a non-user intrudes into the service area in accordance with recognition result of said person recognition unit; and

a service control unit configured to supply the service to the user when said person recognition unit recognizes the user, and to control a supply of the service when said use situation decision unit decides the user is not under the situation to use the service or when said intrusion situation decision unit decides the non-user intrudes into the service area.

30. The security control apparatus according to claim 29, wherein said service control unit interrupts the supply of the service when said use situation decision unit decides the user is not under a situation to use the service.

31. The security control apparatus according to claim 29, wherein said service control unit interrupts the supply of the service when said intrusion situation decision unit decides the non-user intrudes into the service area.

32. The security control apparatus according to claim 29, wherein said service control unit decides whether work of the user for the service is completed or not when said use situation decision unit decides the user is not under the situation to use the service.

33. The security control apparatus according to claim 32, wherein said service control unit finishes the supply of the service if the work of the user for the service is completed, interrupts the supply of the service if the work of the user for the service is not completed, and relieves an interruption of the supply of the service when said use situation decision unit decides the user is under the situation to use the service again.

34. The security control apparatus according to claim 33, wherein said service control unit finishes the supply of the service when said use situation decision unit decides the user is not under the situation to use the service within a predetermined time during the interruption of the supply of the service.

35. The security control apparatus according to claim 29, wherein said service control unit sends a warning to the user when said intrusion situation decision unit decides the non-user intrudes into the service area.

36. The security control apparatus according to claim 35, wherein said service control unit controls the supply of the service in accordance with an indication of the user being warned.

37. The security control apparatus according to claim 36, wherein said service control unit controls the supply of the service in accordance with predetermined control information in case of a non-response of the user within a predetermined time after warning of the intrusion.

38. A security method for controlling a supply of a service to a user in a service area, comprising the steps of:

- continuously inputting images of the service area;
- recognizing the user as an authorized user from the input images;
- recognizing at least one person other than the authorized user from the input images;
- supplying the service to the authorized user when the user is recognized in the input

images; and

- controlling the supply of the service to the authorized user when the person other than the authorized user is recognized in the input images.

39. A computer readable memory containing computer-readable instructions to control a supply of a service to a user in a service area, comprising:

- an instruction unit to continuously input images of the service area;
- an instruction unit to recognize the user as an authorized user from the input images;
- an instruction unit to recognize at least one person other than the authorized user from

the input images;

- an instruction unit to supply the service to the authorized user when the user is recognized in the input images; and

- an instruction unit to control the supply of the service to the authorized user when the person other than the authorized user is recognized in the input images.